

## **Historic, Archive Document**

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Ohio Agricultural Experiment Station,  
OHIO DIVISION OF FORESTRY  
In Cooperation With  
U. S. Department of Agriculture - Forest Service,  
CENTRAL STATES FOREST EXPERIMENT STATION

Technical Note 1

April 1, 1940

LOCAL VOLUME TABLE<sup>1/</sup>

for  
YELLOW POPLAR

(Liriodendron tulipifera)  
in Stark County, Ohio

INTERNATIONAL Rule ( $\frac{1}{4}$ " Kerf)

Merchantable Stem to a Variable Top Diameter



Diameter breast high outside bark (Inches)	Volume per tree	Mer- chant- able length	Basis in trees	Diameter breast high outside bark (Inches)	Volume per tree	Mer- chant- able length	Basis in trees
Board feet    Feet    Number				Board feet    Feet    Number			
10	30	19.5	4	25	800	62	-
11	50	23	5	26	885	64	1
12	70	26.5	13	27	975	65.5	2
13	95	30	9	28	1065	67	1
14	125	33	9	29	1155	69	5
15	155	36.5	1	30	1245	70	9
16	190	40	5	31	1340	71.5	7
17	235	43	7	32	1435	72.5	7
18	285	45.5	6	33	1535	73.5	1
19	345	48	4	34	1630	74.5	1
20	405	51	2	35	1725	75	-
21	480	53.5	1	36	1825	76	-
22	555	56	2				
23	635	58	3				
24	720	60	1				

(1) Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 - the Ohio Woodland Survey. Measurements taken at 16-foot log lengths above a 2.0-foot stump height. Scaled as 16-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Basis, 107 trees.

Table prepared, in 1939, by curving volume of merchantable length over d.b.h.

Aggregate difference: table is 0.8% low. Average percentage deviation of basic data from table, 19.4%.

O. D. DILLER  
L. F. KELLOGG

